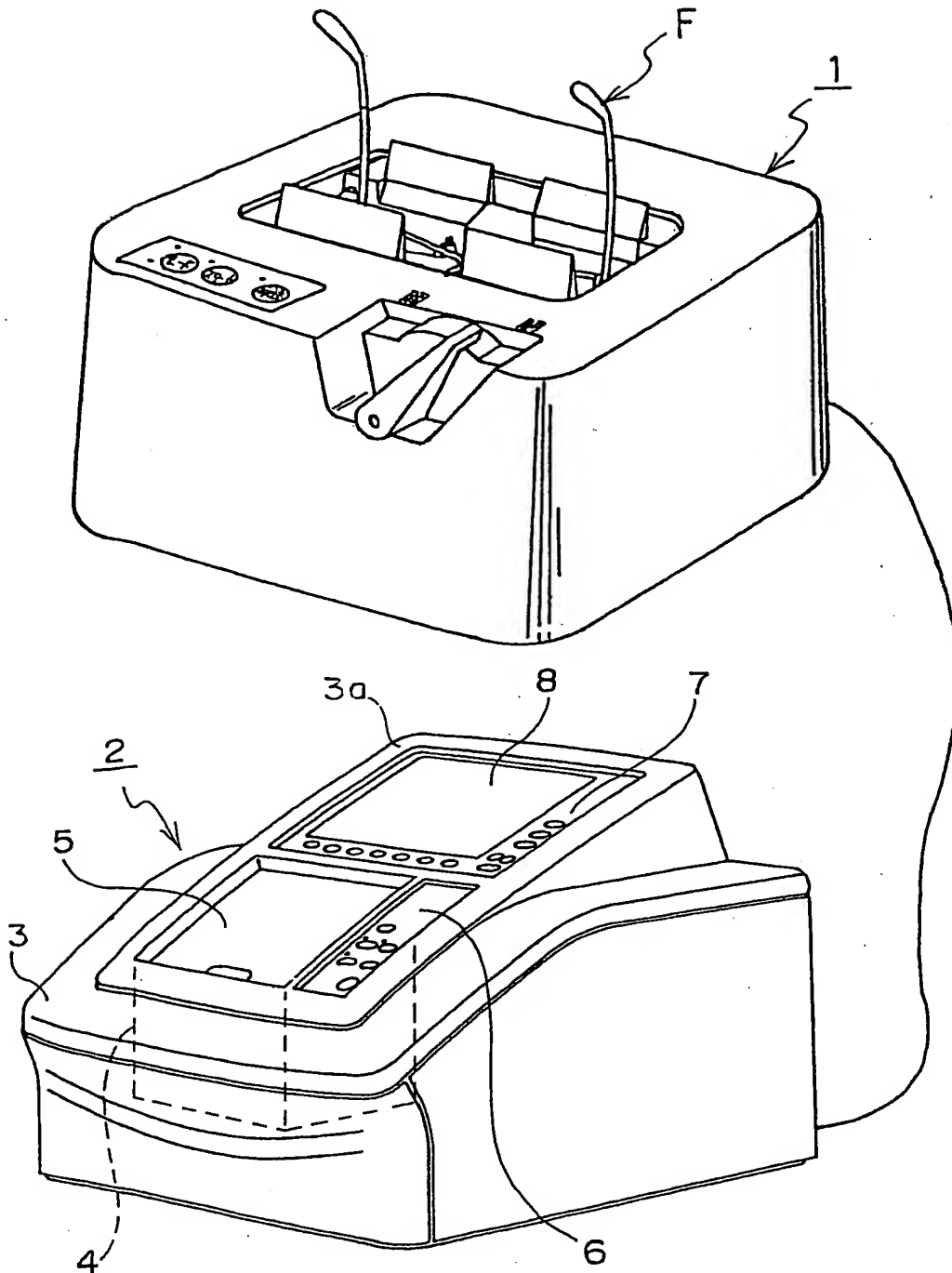




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FIG. 1





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FIG. 2A

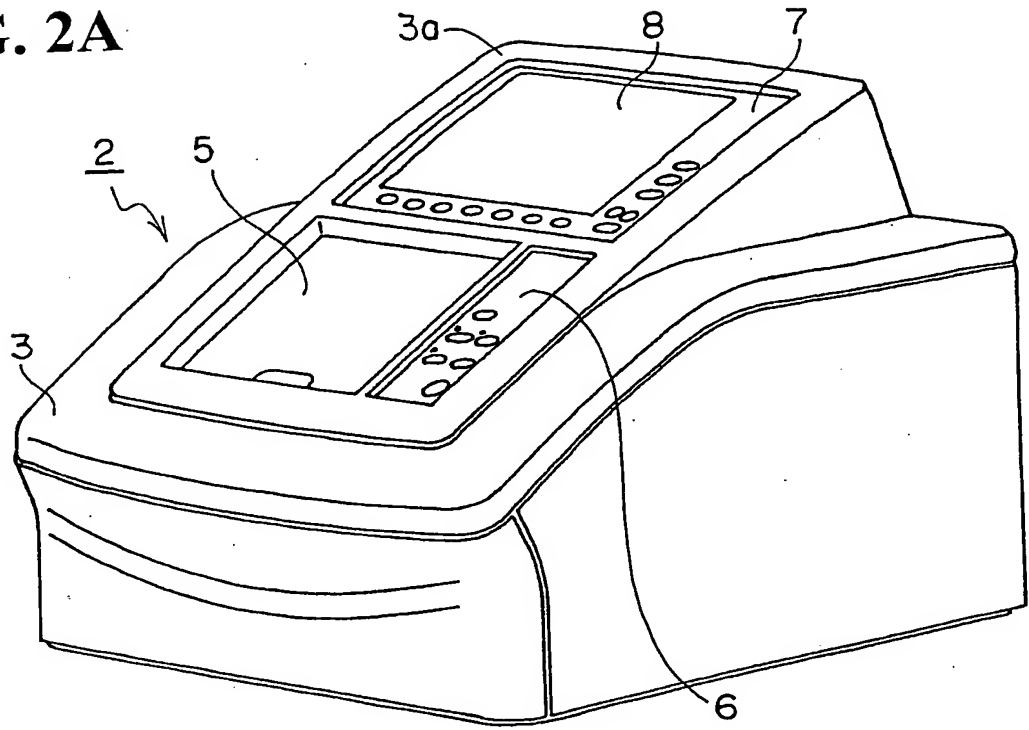
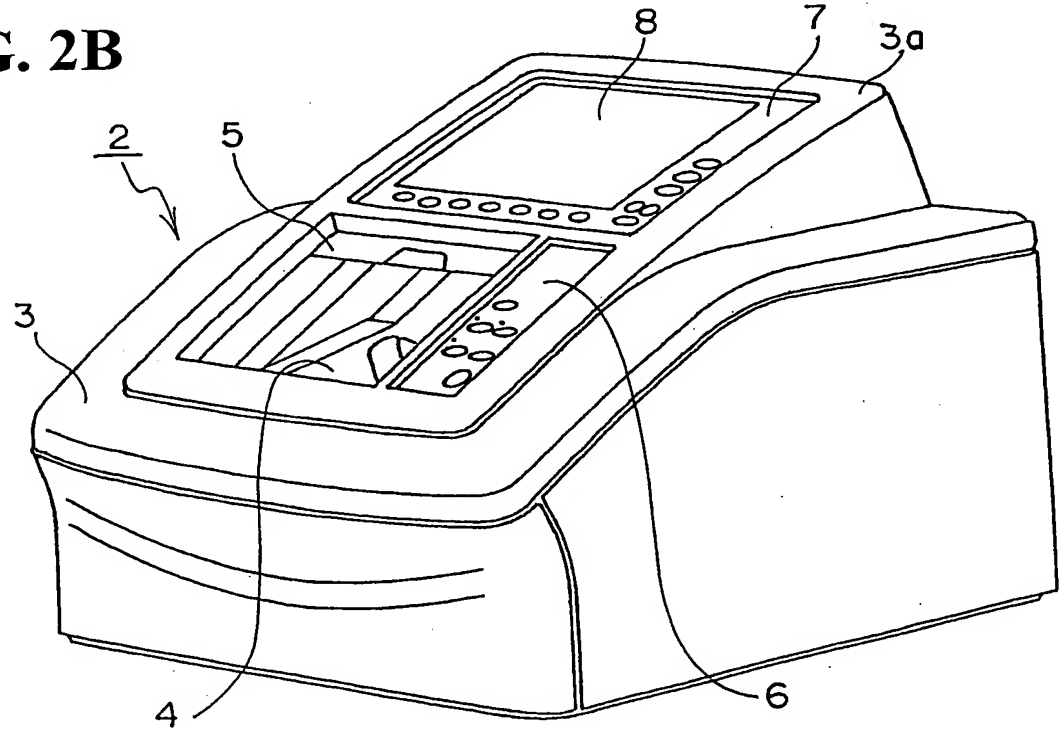


FIG. 2B





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FIG. 3B

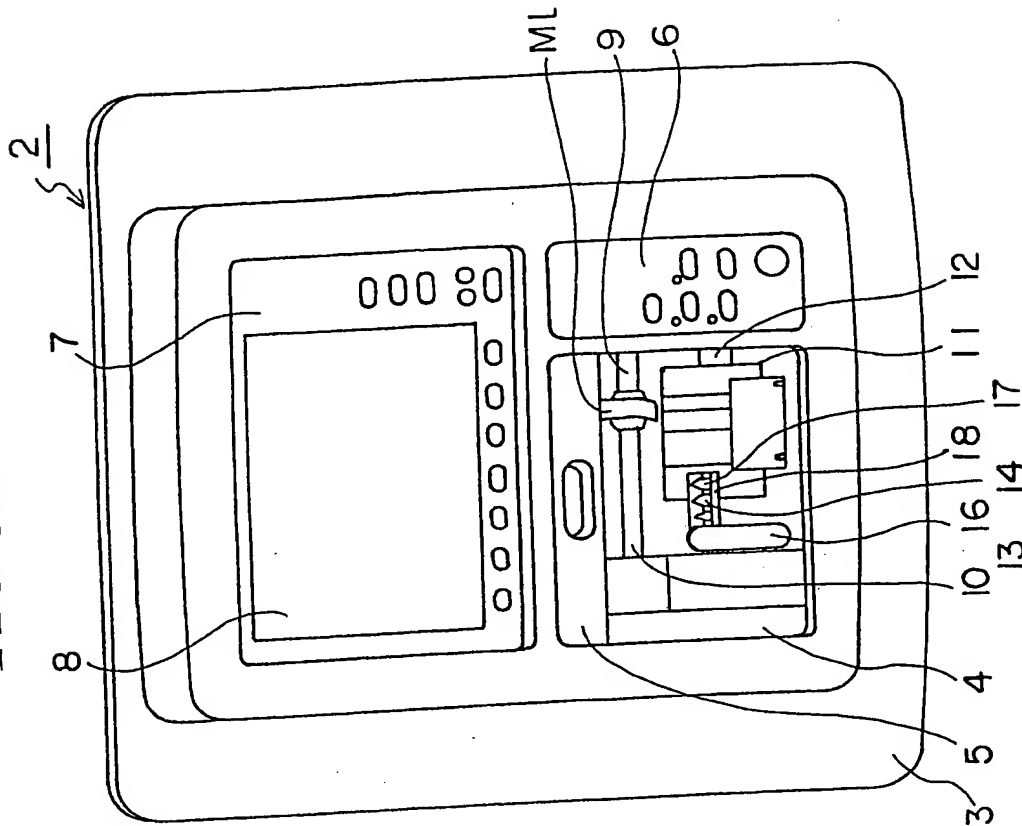


FIG. 3A

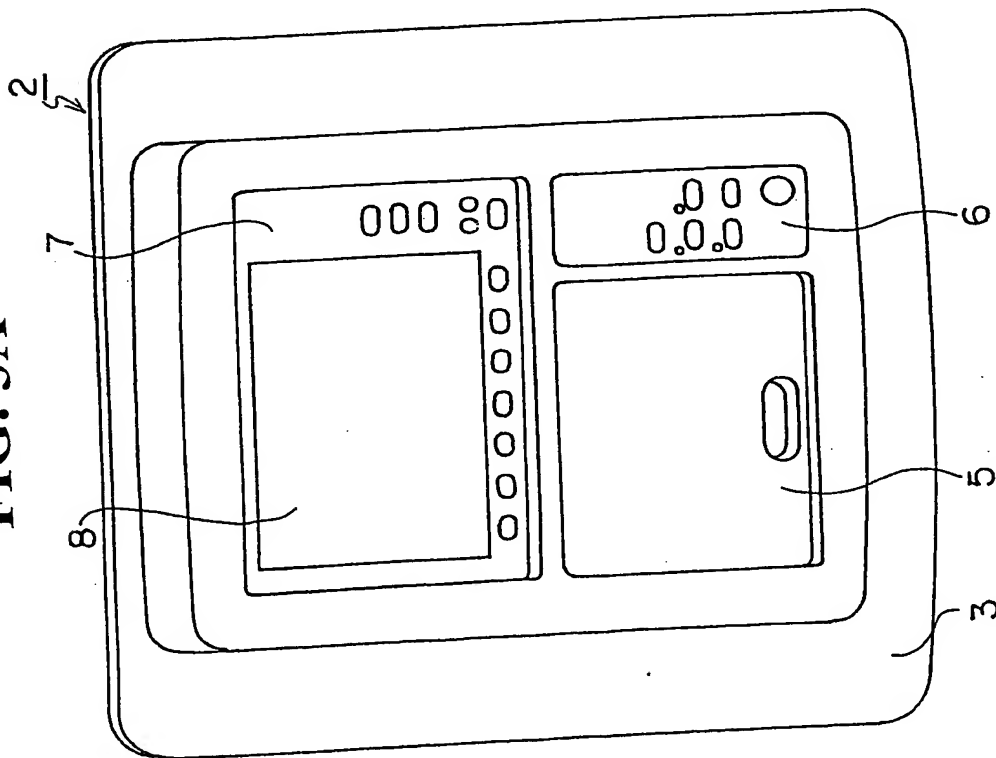




FIG. 4A

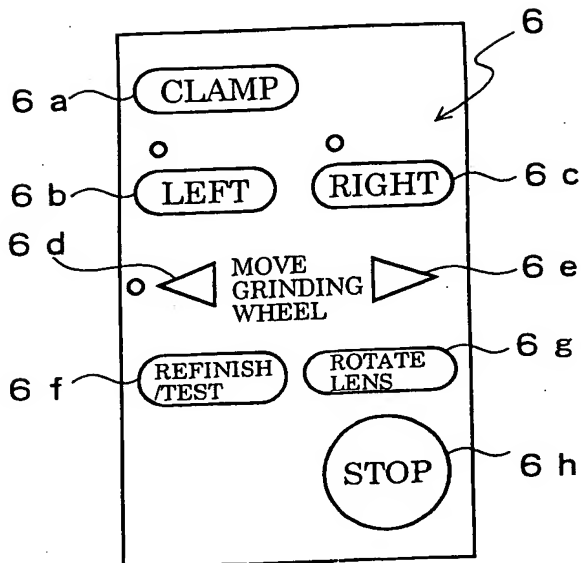
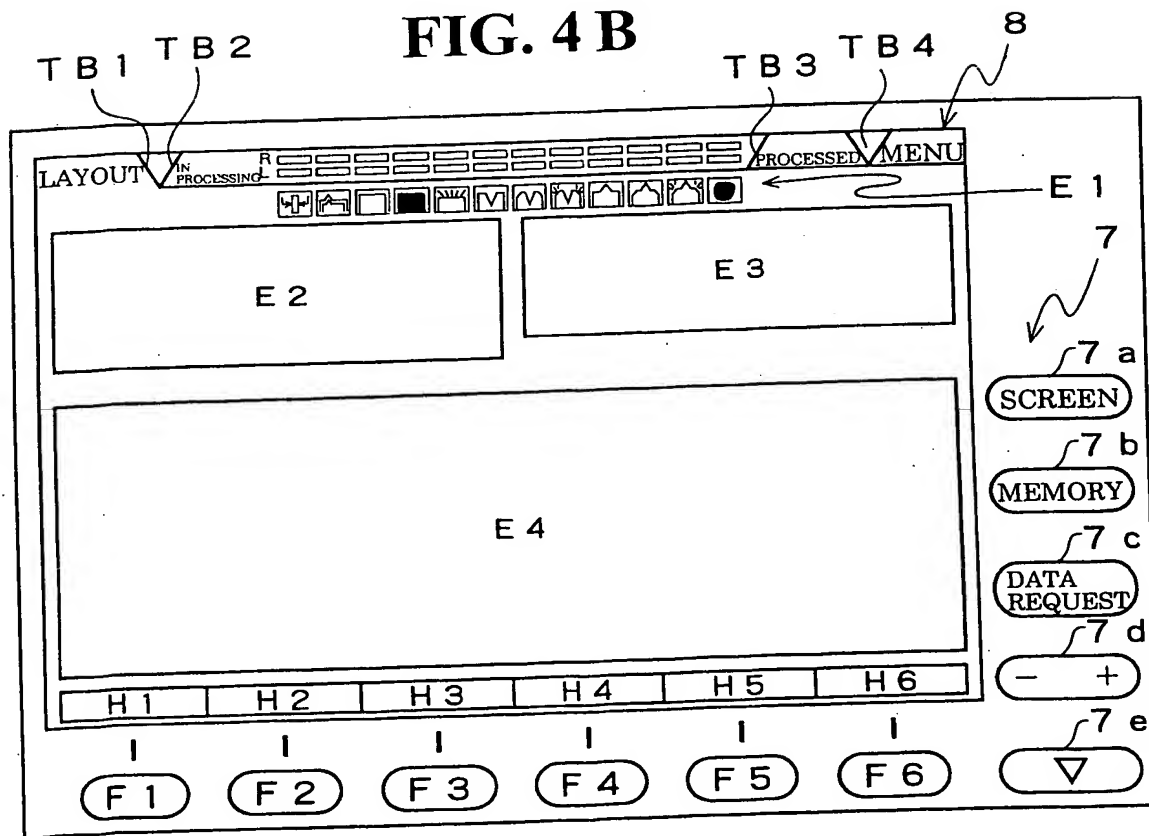
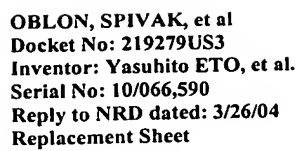
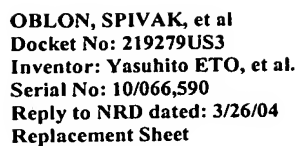
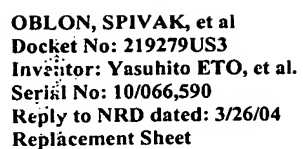


FIG. 4B





[illegible]





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FIG. 8

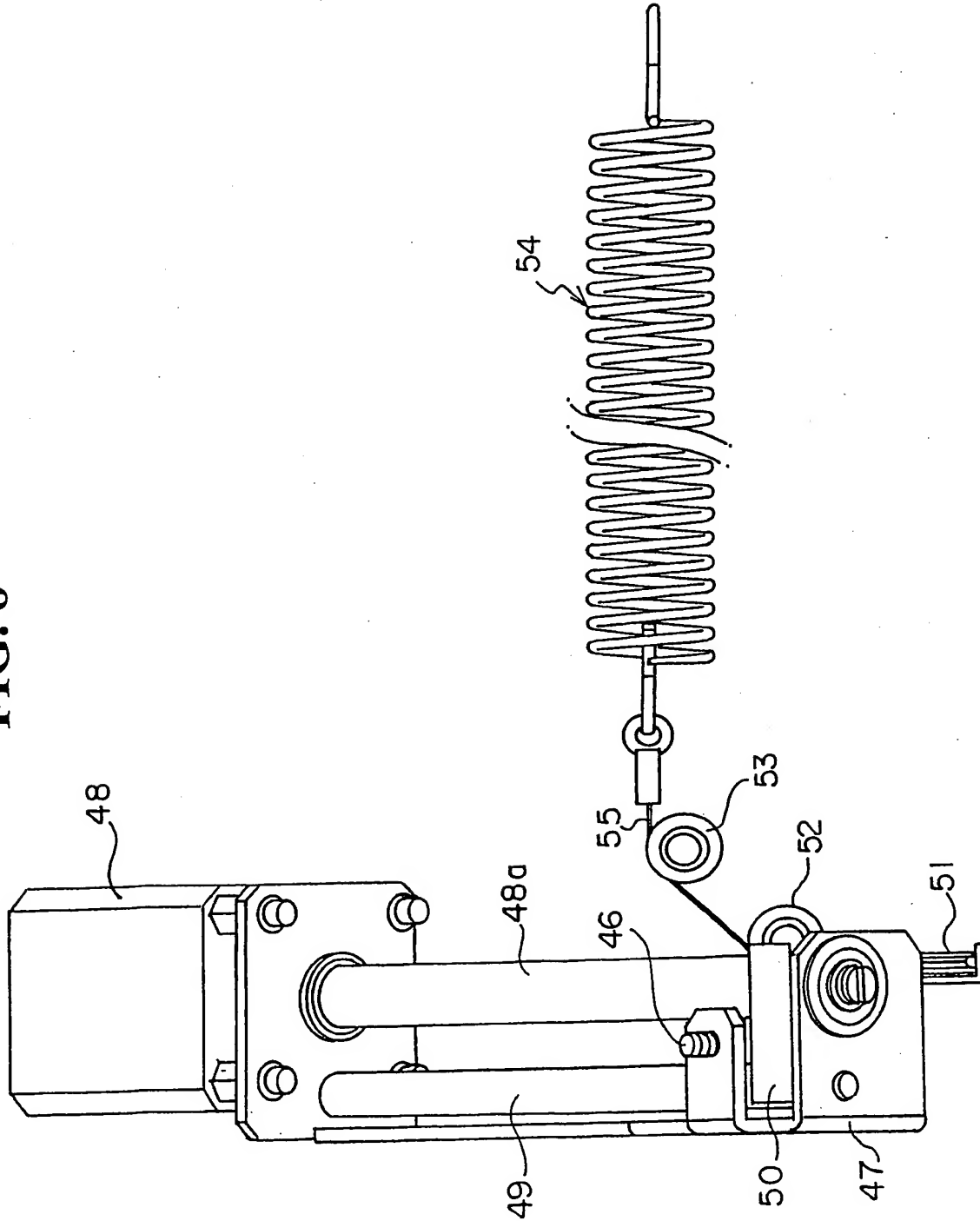
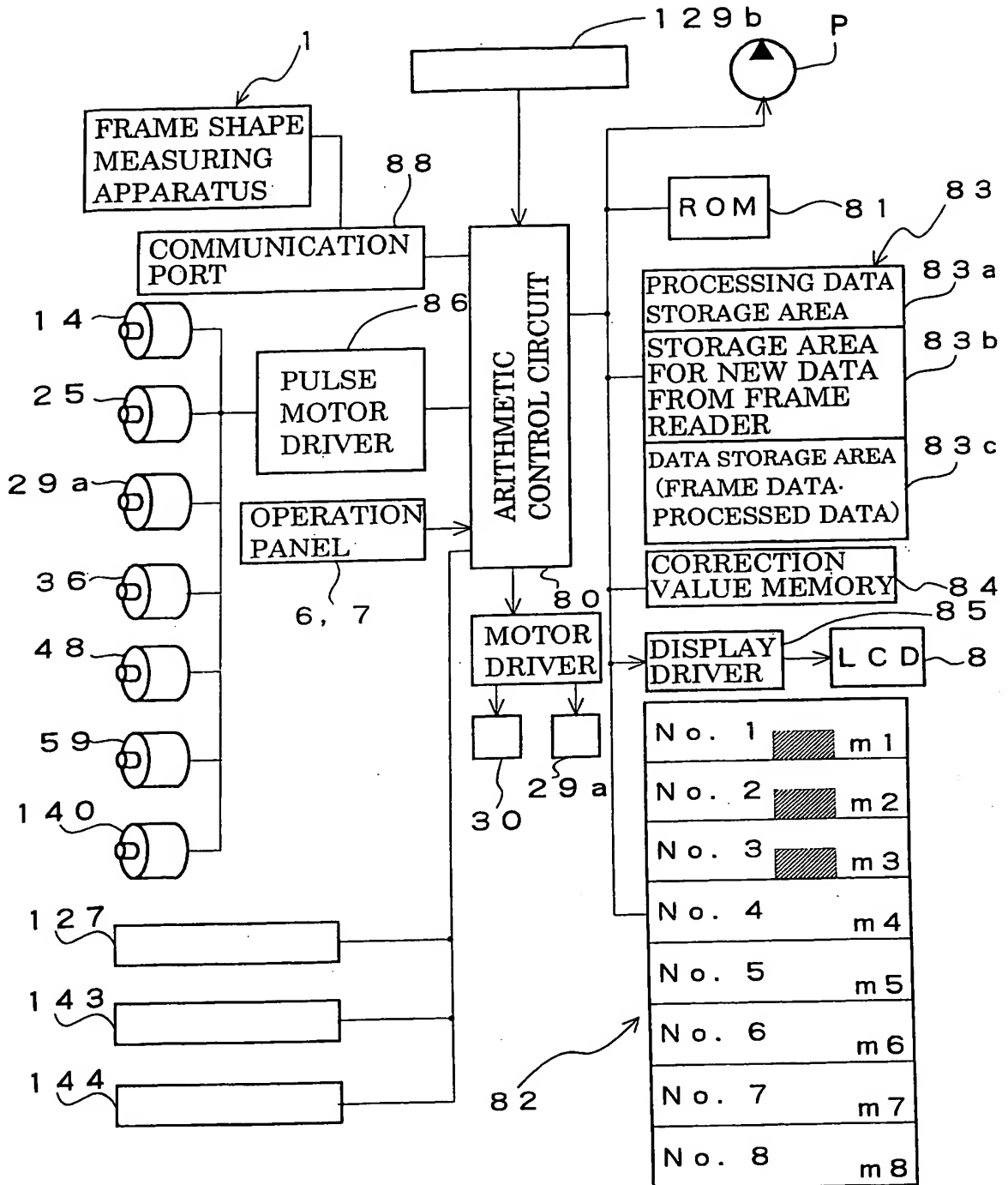


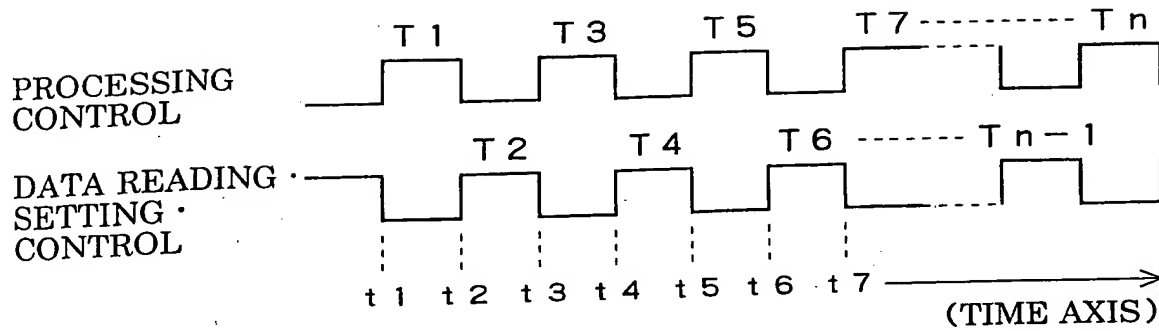
FIG. 9

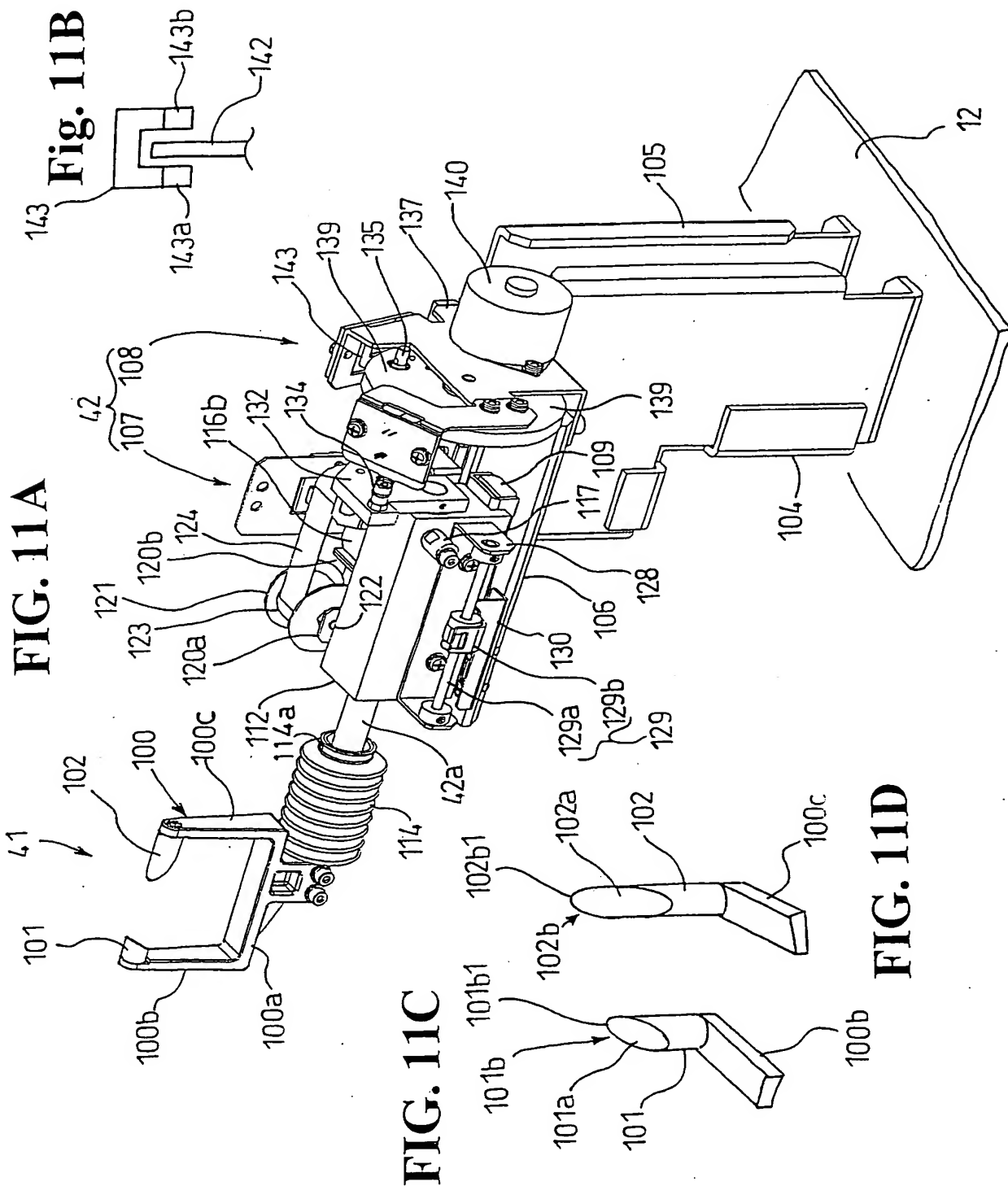




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FIG. 10





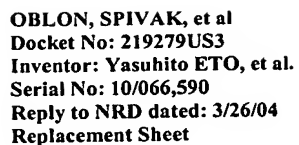
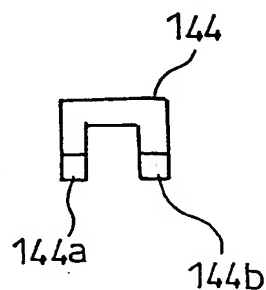
[illegible]

FIG. 12B



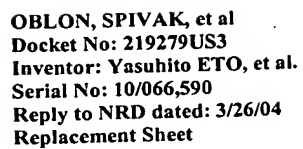


FIG. 13A

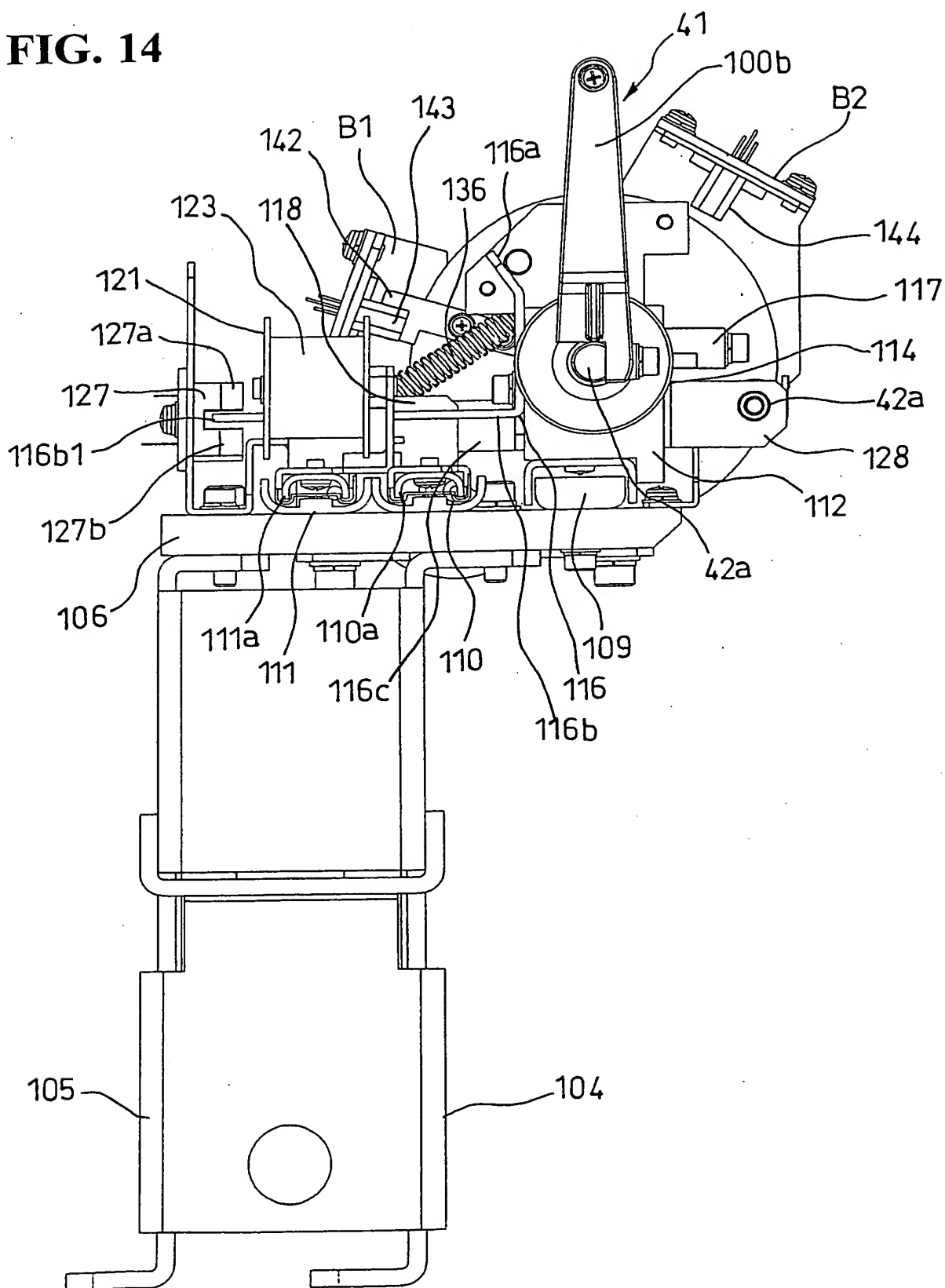
FIG. 13A is a detailed cross-sectional view of a mechanical assembly. The assembly includes a base plate 106 with various mounting points. A central shaft 119 passes through several components, including a spring 136 and a series of rollers or guides 119a, 119b, 119c. A lever arm 117 is pivoted at one end and has a roller 113 at the other. A spring 138 is connected to the lever arm. A handle 140 is attached to the lever arm. A bracket 139 is also shown. Various other parts are labeled with numbers like 100a, 100b, 100c, 101, 102, 114, 115, 120a, 120b, 121, 122, 123, 124, 125, 126a, 128, 132, 134, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200.

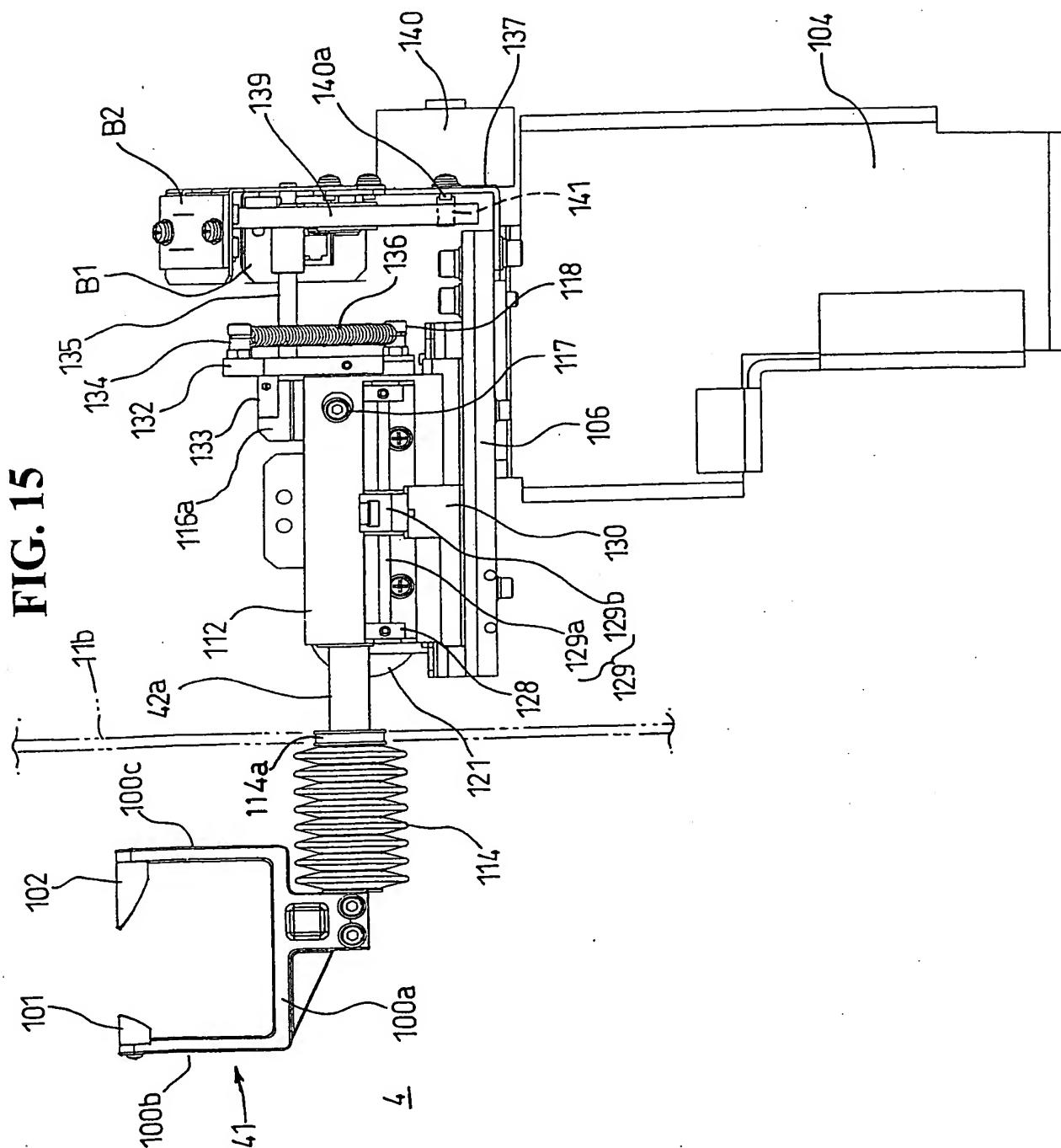
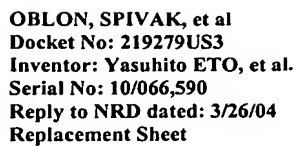
FIG. 13B



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FIG. 14

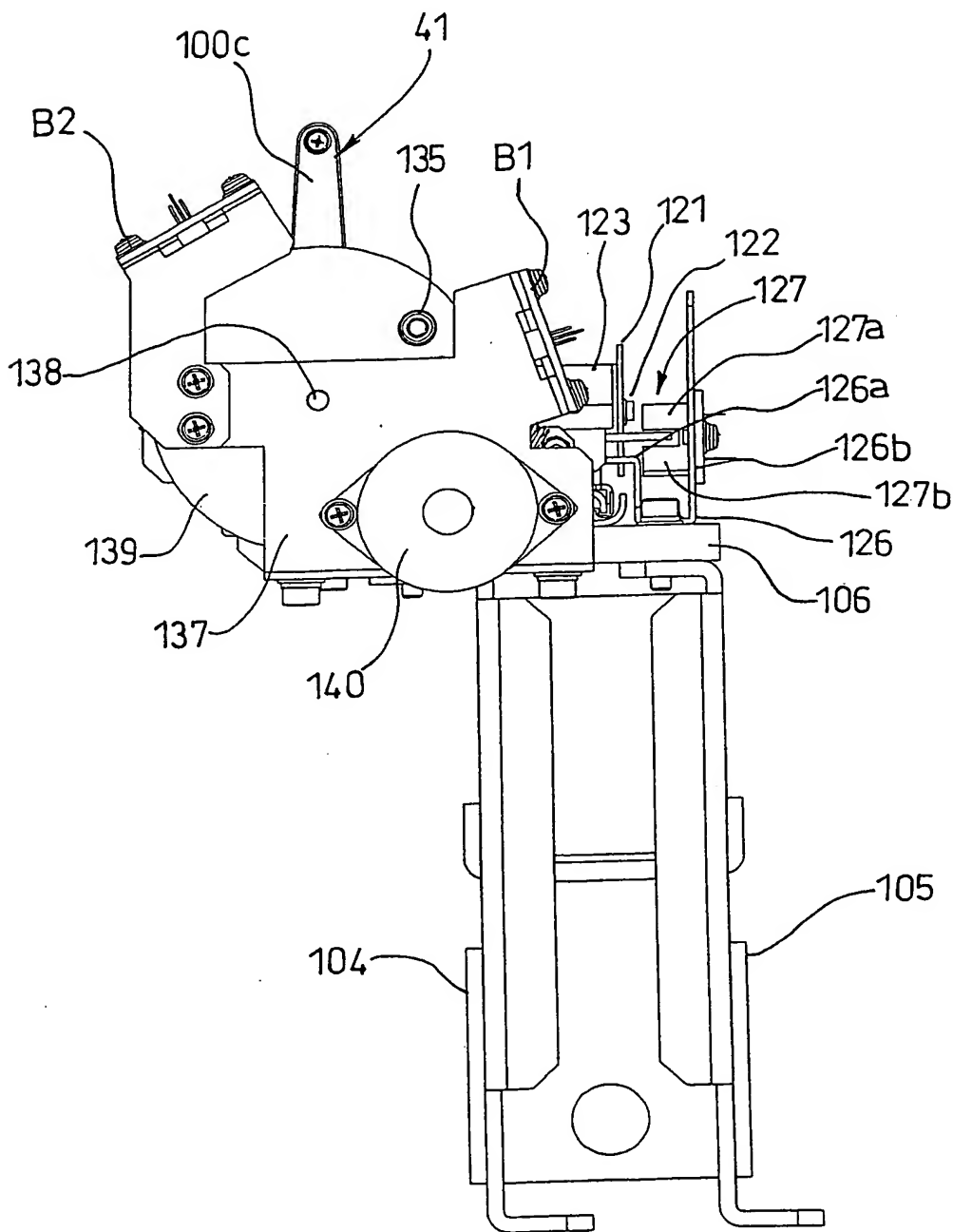






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FIG. 16





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FIG. 17

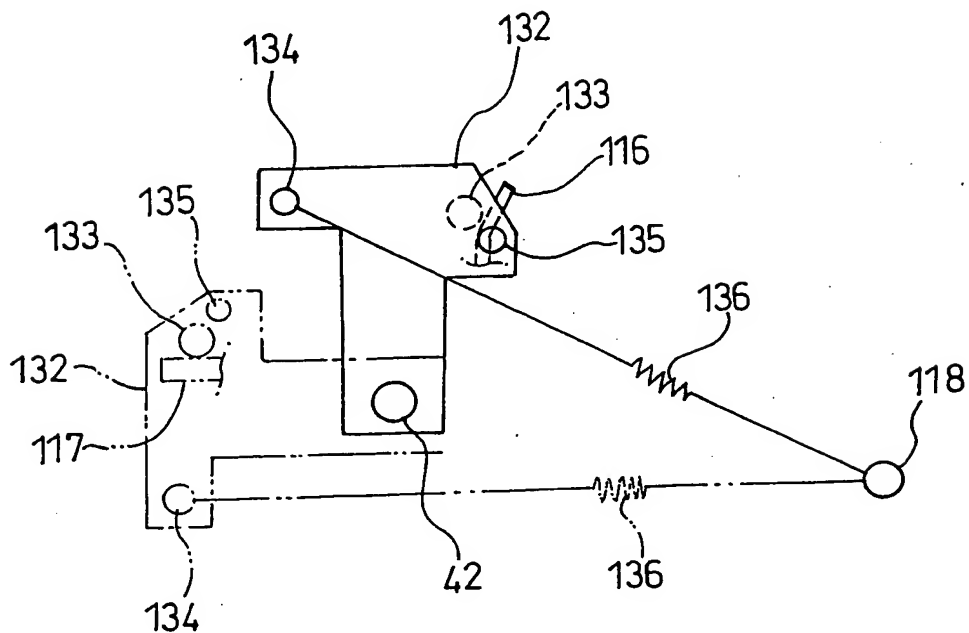


FIG. 18

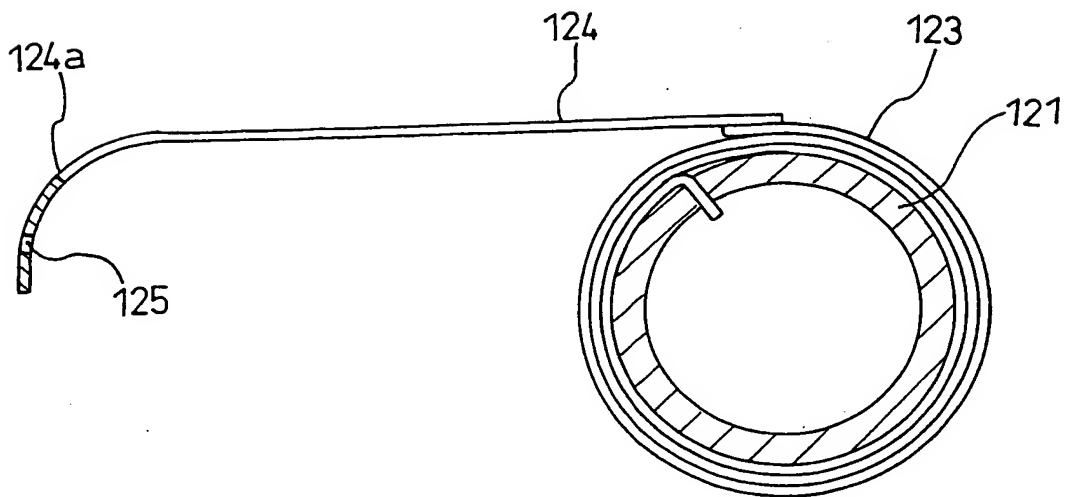




FIG. 19

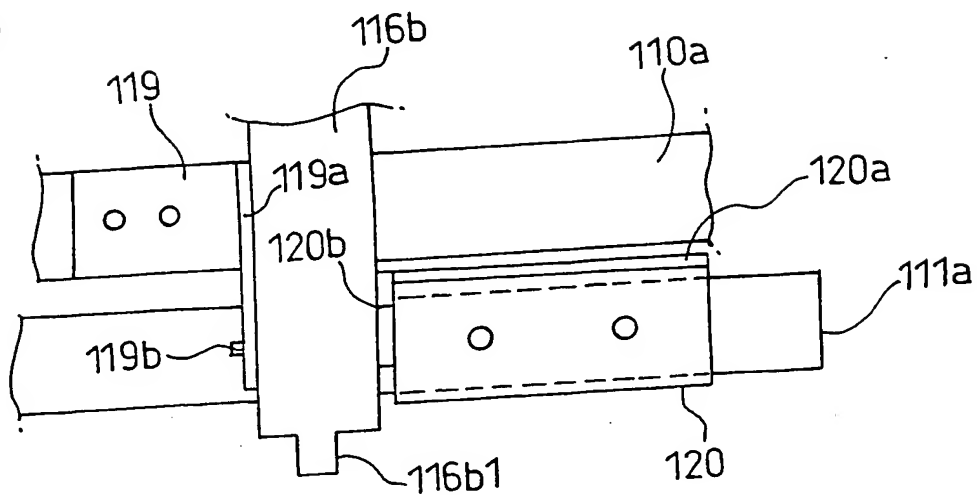


FIG. 20

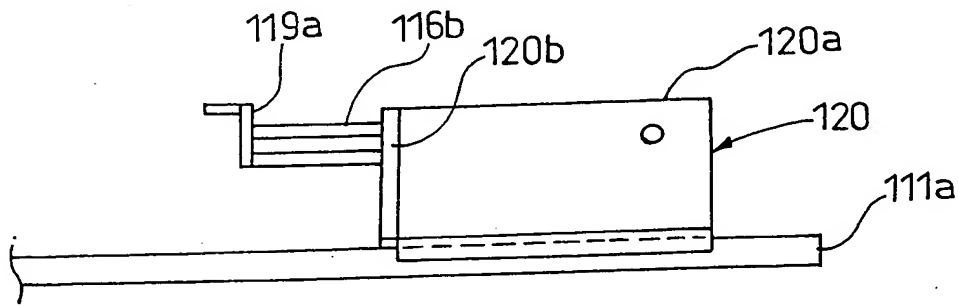
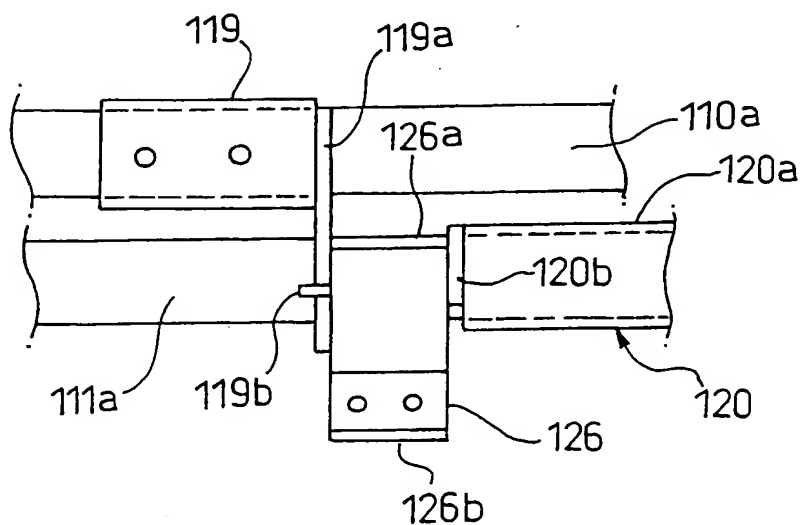
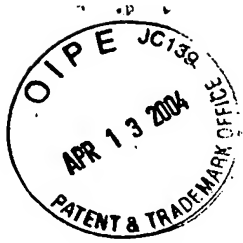


FIG. 21





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FIG. 22

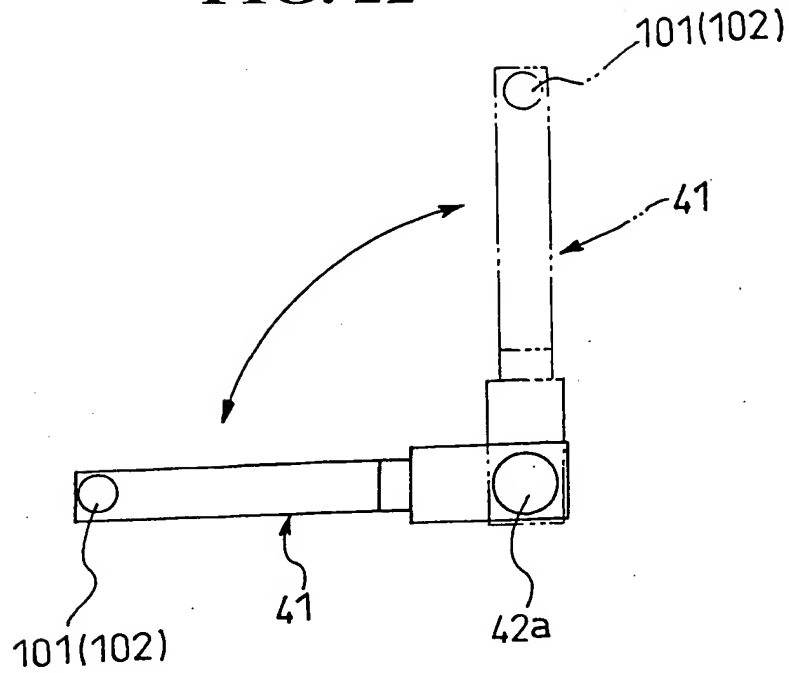
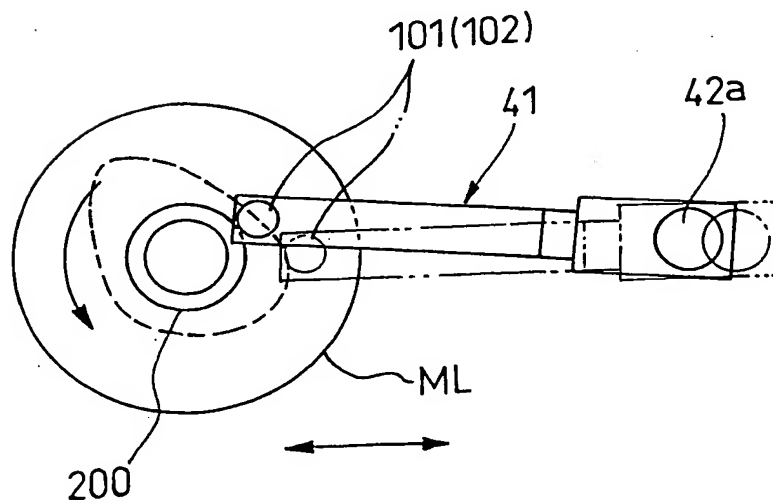
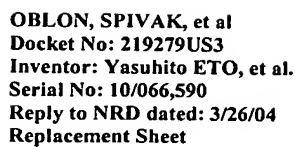


FIG. 23





(MEASURING ELEMENT REFERENCE POSITION)

300

200

ML

201

24

23

ML

200

201

24

23

102

101

100b

100c

100a

41